

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
WEATHER BUREAU
SILVER SPRING, MD. 20910

December 16, 1968

IN REPLY REFER TO:

Engineering Division

W514

RADIOSONDE FREQUENCY RECORDER AND ACCESSORY EQUIPMENT
MAINTENANCE NOTES
(For Electronics Technicians)

7. Intercommunications Equipment for Radiosonde Stations

The primary purpose of the intercommunications equipment is to facilitate the radiosonde and pibal soundings. The present system is comprised of one master station which can utilize up to a maximum of six remote speaker stations. An instruction pamphlet, including the schematic diagram, is provided with the issuance of each master station. The individual stations, including numerous replacement components, are available as stock items and are to be requisitioned individually.

The remote speakers are connected directly to the master station as the output impedance is such that matching transformers are not required. Marine speakers, horn type, are to be used at outdoor areas such as the release site at upper-air stations. The marine speakers are not to be used indoors due to the greater procurement cost and the higher sound level which may be objectionable to station personnel. The remote speaker stations, which are in small cabinets and used for wall or desk mounting, are for all indoor installations.

A typical communications system may be installed and consist of the following:

1. Master Station - located at the radiosonde recorder
2. Marine Speaker Station - located at the release area
3. Remote Speaker Station - located within the radome
4. Remote Speaker Station - located within the theodolite site for pibals and rabals

Deviations from this proposal will be encountered at some stations.

This Maintenance Note supersedes and cancels Service Note Nos. 219 and 278.

EHB-9 12/16/68
Issuance 68-7